AMENDMENTS TO THE CLAIMS

Please amend Claims 1, 21 and 38 as follows:

1. (*Currently amended*) A method for managing diseases and wellness online, the method comprising:

receiving patient data over a network from a user regarding a health condition being experienced by the user;

filtering the patient data according to a first database to produce filtered patient data, wherein the filtering of the patient data comprises:

discarding some of the patient data that is not so related to the health condition; and

requesting correction or verification on some of the patient data with the user when the patient data appears abnormal according to the first database;

performing an analysis of the filtered patient data, the analysis including one or more of statistical analysis implemented based on a survey among a group of similar people with respect to the health condition in the filtered data, data variability analysis, trend forecasting, significance of data, distribution of data, projection of data, computation of trends, linear and non-linear regression techniques, curve-fitting methods, or numerical analyses;

outputting directly to the user, in response to the filtered patient data, a medical recommendation of the health condition based on a second database that includes medical decision-making intelligent agents, accesses to clinical research information, related health databases and or resources controlled by various professional participants, wherein the medical recommendation includes what the user is suggested to do in regarding to the health condition; and

alerting automatically through the network related parties regarding the user if the health condition is deemed to be attended by professionals.

2. (*Original*) The method of Claim 1, wherein the receiving of the patient data comprises:

    verifying the user by looking up an account associated with the user;

    requiring the user to set up the account if the account can not be verified; and

    composing a number of questions based on the first database in conjunction with the account if the account can be verified.

3. (*Original*) The method of Claim 2, wherein the account lists the health condition about the user and wherein the first database includes common knowledge database about the health condition, the knowledge database being constantly updated with other related servers on the network.

4. (*Original*) The method of Claim 3, wherein the patient data includes answers from the user to the questions.

5. (*Original*) The method of Claim 1, wherein the receiving of the patient data comprises receiving diagnostic data from a diagnostic test device.

6. (*Original*) The method of Claim 1, wherein the patient data includes diagnostic data from a diagnostic test device.

7. (*Previously amended*) The method of Claim 1, wherein the first database includes a common knowledge database that is constantly updated with other related servers on the network.

8. (*Original*) The method of Claim 7, wherein the analysis includes a statistical analysis and a medical analysis of the patient data.

9. (*Original*) The method of Claim 8, wherein the performing of the analysis of the patient data comprises:

    obtaining statistical features of the patient data through the statistical analysis;

determining possible causes related to the health condition out of the patient data in conjunction with the statistical features.

10. (*Previously amended*) The method of Claim 9, wherein the statistical analysis of the patient data includes at least one of a fundamental statistics, a data variability analysis, correlation analysis, causal analysis and a trend forecasting.

11. (*Original*) The method of Claim 10, wherein some of the statistical features by the fundamental statistics include mean, mode, max, min, ratios and fractions to determine an appropriate sorting algorithm.

12. (*Original*) The method of Claim 10, wherein the variability analysis determines how significant the patient data is as well as the patient data is distributed.

13. (*Original*) The method of Claim 10, wherein the trend forecasting includes a projection of the patient data, computation of trends with respect to the patient data using one or more mathematical methods.

14. (*Previously amended*) The method of Claim 13, wherein the one or more mathematical methods include one or more of linear regression techniques, non-linear regression techniques, curve-fitting methods and numerical analyses.

15. (*Original*) The method of Claim 8, wherein the performing of the analysis of the patient data comprises, through the medical analysis, evaluating a state of the health condition using a medically related logic, risk stratification, and protocols/algorithms/guidelines that pertain to the health condition.

16. (*Original*) The method of Claim 15, wherein the medically related logic is a medical modeling logic that simulates a medical decision-making process and is based on general medical decision making principles.

17. (*Original*) The method of Claim 15, wherein the medically related logic is a medical modeling logic that is based on branch/tree logic and hash or hash-like array memory structures.

18. (*Previously amended*) The method of Claim 1, wherein the second database is a medical management knowledgebase including one or more of static and dynamic information from multiple sources pertaining to the health condition.

19. (*Previously amended*) The method of Claim 18, wherein the health condition includes one of a disease or a health issue.

20. (*Previously amended*) The method of Claim 1, wherein the receiving of the patient data over the network comprises:
    maintaining an account associated with the user; and
    updating the account with the patient data related to the health condition.

21. (*Currently amended*) A method for managing diseases and wellness online, the method comprising:
    maintaining an account associated with a user having a health condition;
    receiving over a network a request from the user to access the account;
    composing a number of questions from the account after the user is authenticated;
    receiving data from the user in response to the questions, wherein the data includes answers to the questions and diagnostic data if received from a diagnostic test device pertaining to the health condition;
    filtering the patient data according to a first database to produce filtered patient data, wherein the first database includes common knowledge database about the health condition and is being constantly updated with other related servers on the network, wherein the filtering of the patient data comprises:
        discarding some of the patient data that is not so related to the health condition; and

requesting correction or verification on some of the patient data with the user when the patient data appears abnormal according to the first database;

performing an analysis of the patient data to discard some of the patient data that is not so related to the health condition, the analysis including one or more of statistical analysis implemented based on a survey among a group of similar people with respect to the health condition in the filtered data, data variability analysis, and trend forecasting, significance of data, distribution of data, projection of data, computation of trends, linear and non-linear regression techniques, curve-fitting methods, or numerical analyses;

providing directly to the user a medical recommendation of the health condition based on a second database that includes medical decision-making intelligent agents, accesses to clinical research information, related health databases and resources controlled by various professional participants, wherein the medical recommendation includes what the user is suggested to do in regarding to the health condition; and

alerting related parties regarding the user if the health condition is deemed to be attended by professionals.

22. (*Previously amended*) The method of Claim 21, wherein the second database is a medical management knowledgebase including one or more of static and dynamic information from multiple sources pertaining to the health condition.

23. (*Previously amended*) The method of Claim 22, wherein the health condition includes one of a disease or a health issue.

24. (*Original*) The method of Claim 21, wherein the account is maintained in a server coupled to the network, and wherein the request is generated from a terminal device being used by the user, the request being an IP request including an address identifying the server.

25. (*Original*) The method of Claim 24, wherein the terminal device is capable of data communication with the server over the network and includes a display screen to display the medical recommendation.

26. (*Original*) The method of Claim 25, wherein the terminal device is selected from a group consisting of a personal computer, a network enabled cellular phones, a portable computing device and a personal digital assistant.

27. (*Original*) The method of Claim 24, wherein the medical recommendation is in a format of a markup language displayable on the terminal device.

28. (*Original*) The method of Claim 21, wherein the composing of the number of questions comprises generating the questions about the user in reference to the health condition and further in reference to the first database.

29. (*Original*) The method of Claim 21, wherein the performing of the analysis of the patient data comprises:
     obtaining statistic features of the patient data through the statistic analysis;
     determining possible causes related to the health condition out of the patient data in conjunction with the statistic features.

30. (*Previously amended*) The method of Claim 29, wherein the statistical analysis includes one or more of a fundamental statistics, a data variability analysis, correlation analysis, causal analysis and a trend forecasting.

31. (*Original*) The method of Claim 30, wherein some of the statistic features by the fundamental statistics include mean, mode, max, min, ratios and fractions to determine an appropriate sorting algorithm.

32. (*Original*) The method of Claim 30, wherein the variability analysis determines how significant the patient data is as well as the patient data is distributed.

33. (*Original*) The method of Claim 30, wherein the trend forecasting includes a projection of the patient data, computation of trends with respect to the patient data using one or more mathematical methods.

34. (*Previously amended*) The method of Claim 33, wherein the one or more mathematical methods include one or more of linear and non-linear regression techniques, curve-fitting methods and numerical analyses.

35. (*Original*) The method of Claim 21, wherein the performing of the analysis of the patient data comprises, through the medical analysis, evaluating a state of the health condition using a medically related logic, risk stratification, and protocols/algorithms/guidelines that pertain to the health condition.

36. (*Original*) The method of Claim 35, wherein the medically related logic is a medical modeling logic that simulates a medical decision-making process and is based on general medical decision making principles.

37. (*Previously amended*) The method of Claim 35, wherein the medically related logic is a medical modeling logic that is based on branch/tree logic and hash or hash-like array memory structures.

38. (*Currently amended*) A machine-readable medium embodying instructions for execution by a processor, the instructions, when executed by the processor, causing the processor to produce structured documents, the machine-readable medium comprising:

    program code for receiving patient data over a network from a user regarding a health condition experienced by the user;

    program code for filtering the patient data according to a first database to produce filtered patient data, wherein the filtering program code comprises:

program code for discarding some of the patient data that is not so related to the health condition; and

program code for requesting correction or verification on some of the patient data with the user when the patient data appears abnormal according to the first database;

program code for performing an analysis of the patient data, the analysis including one or more of statistical analysis implemented based on a survey among a group of similar people with respect to the health condition in the filtered data, data variability analysis, and trend forecasting, significance of data, distribution of data, projection of data, computation of trends, linear and non-linear regression techniques, curve-fitting methods, or numerical analyses; and

program code for outputting directly to the user, in response to the received patient data, a medical recommendation of the health condition based on a second database that includes medical decision-making intelligent agents, accesses to clinical research information, related health databases and resources controlled by various professional participants, wherein the medical recommendation includes what the user is suggested to do in regarding to the health condition; and

program code for alerting related parties regarding the user if the health condition is deemed to be attended by professionals.

39. (*Original*) The machine-readable medium of Claim 38, wherein the program code for receiving the patient data comprises:

program code for verifying the user by looking up an account associated with the user;

program code for requiring the user to set up the account if the account can not be verified; and

program code for composing a number of questions based on the first database in conjunction with the account if the account can be verified.

40. (*Original*) The machine-readable medium of Claim 37, wherein the account lists the health condition about the user and wherein the first database includes common knowledge database about the health condition, the knowledge database being constantly updated with other related servers on the network.

41. (*Original*) The machine-readable medium of Claim 40, wherein the patient data includes answers from the user to the questions.

42. (*Original*) The machine-readable medium of Claim 37, wherein the program code for receiving the patient data comprises program code for receiving diagnostic data from a diagnostic test device.

43. (*Original*) The machine-readable medium of Claim 38, wherein the patient data includes diagnostic data from a diagnostic test device.

44. (*Original*) The machine-readable medium of Claim 38, wherein the first database includes common knowledge database about the health condition, the knowledge database being periodically updated with other related servers on the network, and the program code for filtering the patient data according to the first database comprises program code for discarding some of the patient data that are not so related to the health condition; and program code for requesting correction or verification on other of the patient data when the other of the patient data appears abnormal according to the first database.

45. (*Original*) The machine-readable medium of Claim 44, wherein the analysis includes a statistical analysis and a medical analysis of the patient data.

46. (*Original*) The machine-readable medium of Claim 45, wherein the program code for performing the analysis of the patient data comprises:
    program code for obtaining statistical features of the patient data through the statistical analysis; and

program code for determining possible causes related to the health condition out of the patient data in conjunction with the statistical features.

47. (*Original*) The machine-readable medium of Claim 46, wherein the statistical analysis includes a fundamental statistics, a data variability analysis, and a trend forecasting.

48. (*Original*) The machine-readable medium of Claim 47, wherein some of the statistical features by the fundamental statistics include mean, mode, max, min, ratios and fractions to determine an appropriate sorting algorithm.

49. (*Original*) The machine-readable medium of Claim 47, wherein the variability analysis determines how significant the patient data is as well as the patient data is distributed.

50. (*Previously amended*) The machine-readable medium of Claim 49, wherein the one or more mathematical methods include one or more of linear and non-linear regression techniques, curve-fitting methods and numerical analyses.

51. (*Original*) The machine-readable medium of Claim 45, wherein the program code for performing the analysis of the patient data comprises, through the medical analysis, evaluating a state of the health condition using a medically related logic, risk stratification, and protocols/algorithms/guidelines that pertain to the health condition.

52. (*Original*) The machine-readable medium of Claim 51, wherein the medically related logic is a medical modeling logic that simulates a medical decision-making process and is based on general medical decision making principles.

53. (*Original*) The machine-readable medium of Claim 51, wherein the medically related logic is a medical modeling logic that is based on branch/tree logic and hash or hash-like array memory structures.

54. (*Previously amended*) The machine-readable medium of Claim 38, wherein the second database is a medical management knowledgebase including static and dynamic information from multiple sources pertaining to the health condition.